

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012723\  
 Data File : VU052847.D  
 Acq On : 27 Jan 2023 15:23  
 Operator : JC/MD  
 Sample : 01316-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A44H0

Quant Time: Jan 27 22:23:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 22:20:01 2023  
 Response via : Initial Calibration

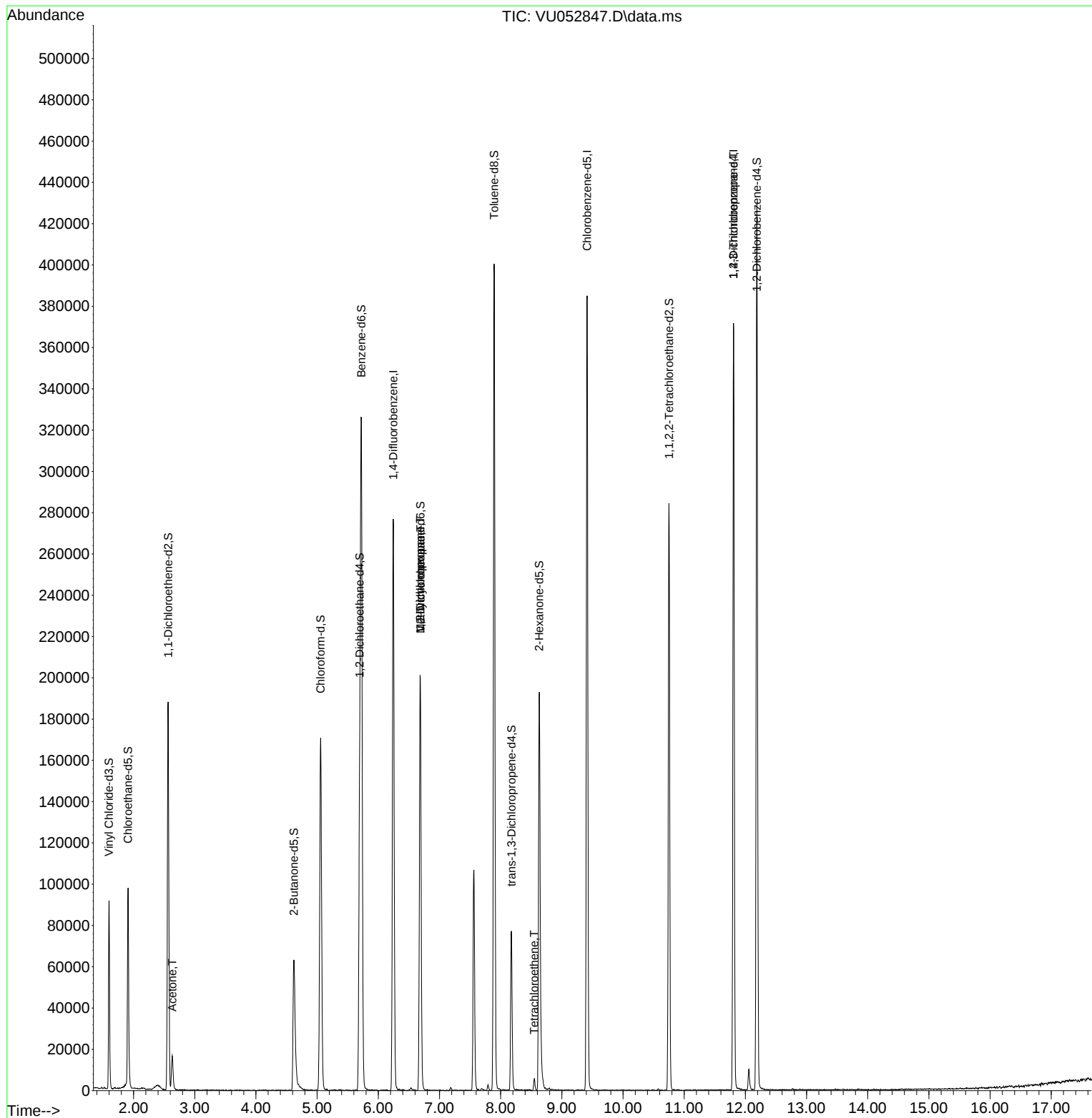
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247   | 114   | 231497   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117   | 226628   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806  | 152   | 105335   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 66282    | 39.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 79.560%  |
| 7) Chloroethane-d5            | 1.909   | 69    | 73371    | 53.442   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 106.880% |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 111935   | 33.776   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 67.560%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 90885    | 88.297   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.300%  |
| 24) Chloroform-d              | 5.057   | 84    | 160725   | 45.198   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 108065   | 47.594   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.180%  |
| 32) Benzene-d6                | 5.723   | 84    | 309968   | 44.768   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.540%  |
| 36) 1,2-Dichloropropane-d6    | 6.687   | 67    | 91290    | 44.956   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 89.920%  |
| 41) Toluene-d8                | 7.893   | 98    | 270948   | 42.975   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.940%  |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 44830    | 44.046   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.100%  |
| 47) 2-Hexanone-d5             | 8.629   | 63    | 63308    | 88.727   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.730%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84    | 130832   | 43.607   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 87.220%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189  | 152   | 113019   | 55.257   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 110.520% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 13) Acetone                   | 2.633   | 43    | 19521    | 15.528   | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.687   | 83    | 24220    | 7.804    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.684   | 63    | 10412    | 5.490    | ug/L # | 85       |
| 46) Tetrachloroethene         | 8.549   | 164   | 1521     | 0.901    | ug/L   | 97       |
| 60) 1,2,3-Trichloropropane    | 11.806  | 75    | 9900     | 4.845    | ug/L # | 62       |
| -----                         |         |       |          |          |        |          |

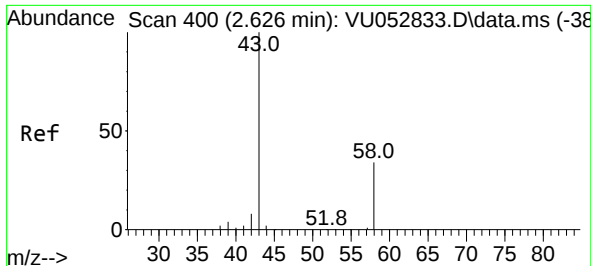
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 15.528 ug/L

RT: 2.633 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU052847.D

Acq: 27 Jan 2023 15:23

Instrument :

MSVOA\_U

ClientSampleId :

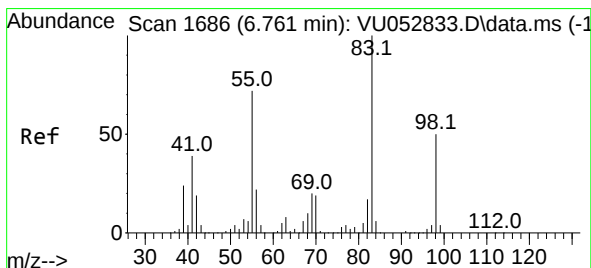
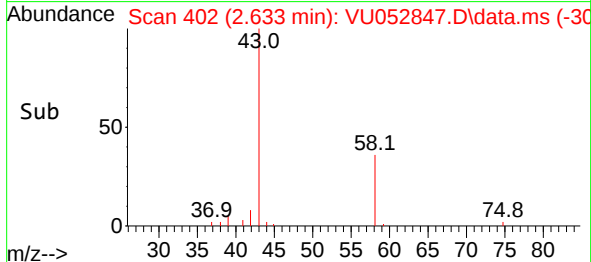
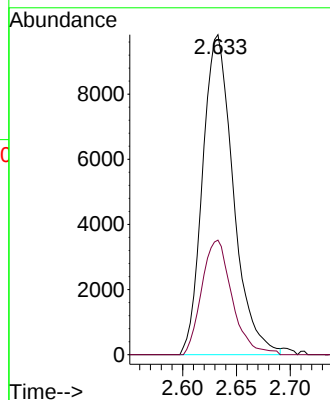
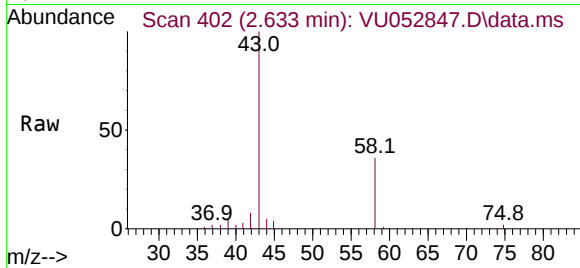
A44H0

Tgt Ion: 43 Resp: 19521

Ion Ratio Lower Upper

43 100

58 35.2 0.0 70.2



#35

Methylcyclohexane

Concen: 7.804 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.074 min

Lab File: VU052847.D

Acq: 27 Jan 2023 15:23

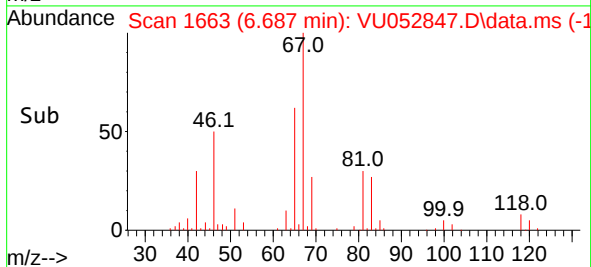
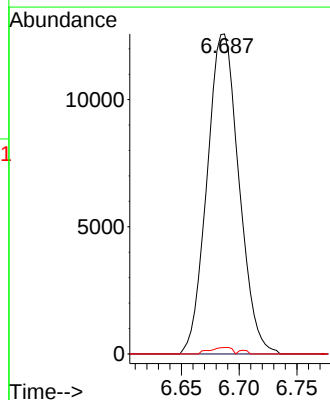
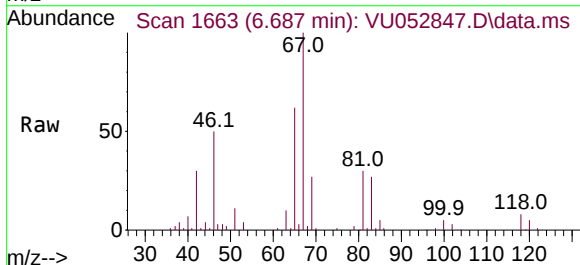
Tgt Ion: 83 Resp: 24220

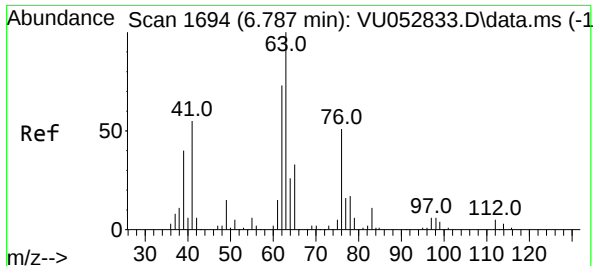
Ion Ratio Lower Upper

83 100

55 0.0 57.1 85.7#

98 1.1 38.9 58.3#





#37

1,2-Dichloropropane

Concen: 5.490 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052847.D

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Instrument :

MSVOA\_U

ClientSampleId :

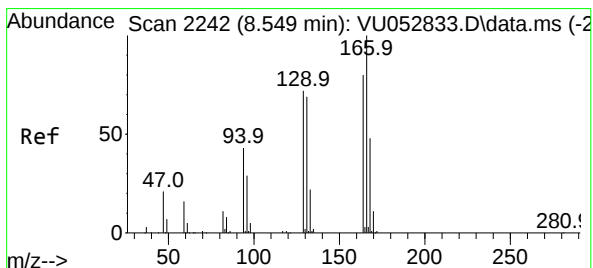
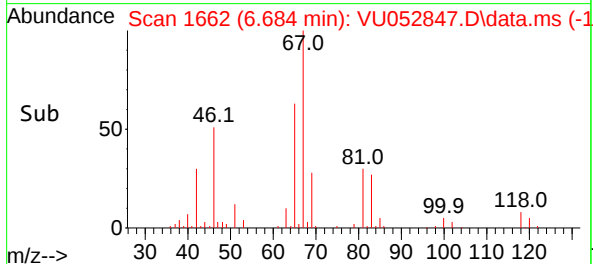
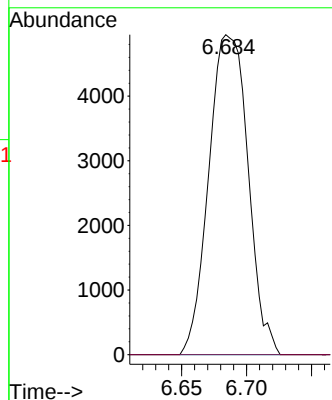
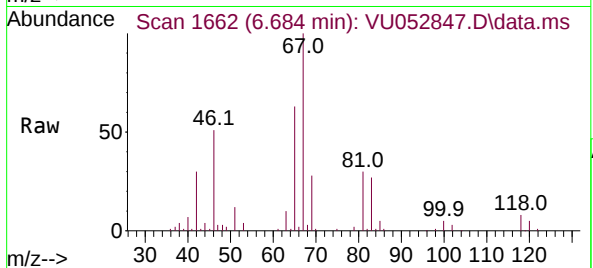
A44H0

Tgt Ion: 63 Resp: 10412

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#46

Tetrachloroethene

Concen: 0.901 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU052847.D

Acq: 27 Jan 2023 15:23

Tgt Ion: 164 Resp: 1521

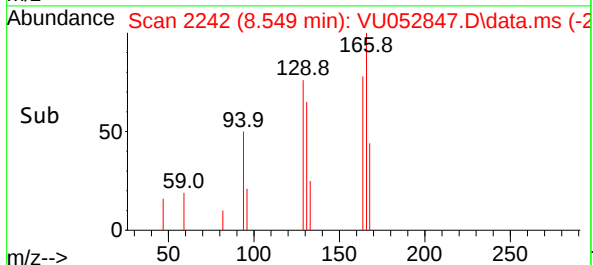
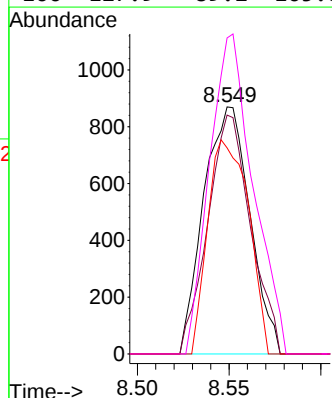
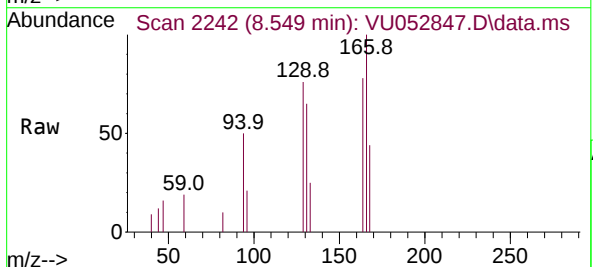
Ion Ratio Lower Upper

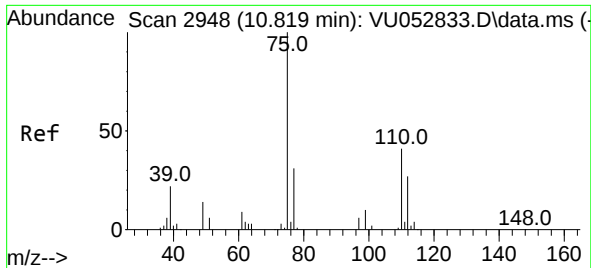
164 100

129 96.7 64.8 120.3

131 83.4 61.2 113.6

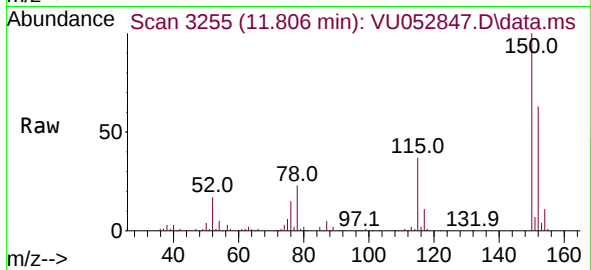
166 127.9 89.2 165.8





#60  
 1,2,3-Trichloropropane  
 Concen: 4.845 ug/L  
 RT: 11.806 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU052847.D  
 Acq: 27 Jan 2023 15:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9900  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 37.0  | 25.8  | 38.8  |
| 110      | 2.2   | 32.4  | 48.6# |

